

REMARKS

Claims 1-67 are pending in the above-identified application.

Enclosed is a Declaration under 37 C.F.R. 1.132

Claims 1,5, 6, 10-14, 18-23 and 34 - Section 102

Applicant requests reconsideration of the rejection of claims 1,5, 6, 10-14, 18-23 and 34 under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,775,585 (Bedont).

Claims 1, 5, 6, 10-14, 18-23 and 34 recite **a computer-implemented method of creating a sketch-based eggcrate substructure for manufacturing composite parts**, said method comprising: creating an input computer model from a plurality of inputs; and launching a batch job of said created input computer model, **said batch job being adapted to automatically create a computer model of an eggcrate substructure from the input computer model.**

As those skilled in the art understand, an eggcrate substructure is a particular type of structure comprising plates arranged to define open cells such as illustrated in Figs. 20B, 20D, 20F, 20H, 20J, 20L, and 20N. The enclosed Declaration of Thomas J. Vanderwiell confirms that eggcrate substructures are broadly characterized as having planar panels joined at opposing ends and forming an open cell structures. Bedont does not disclose or suggest a method capable of producing such a structure. Thus, Bedont fails to disclose or suggest launching a batch job that automatically creates a computer model of an eggcrate substructure from an input computer model as recited in each claim. Because Bedont fails to disclose a method having each element recited in the claims, the claims are not anticipated by the cited reference. Accordingly, Applicant requests the Section 102 rejection be withdrawn.

Claims 39, 43-47, 51, 52 and 54-57 - Section 102

Applicant requests reconsideration of the rejection of claims 39, 43-47, 51, 52 and 54-57 under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,775,585 (Bedont).

Claims 39, 43-47, 51, 52 and 54-57 recite **apparatus for creating a sketch-based eggcrate substructure for manufacturing composite parts**, said apparatus comprising: means for creating an input computer model from a plurality of inputs; and means for launching a batch job of said created input computer model, **said batch job being adapted to automatically create a computer model of an eggcrate substructure from the input computer model**.

As explained above, an eggcrate substructure is a particular type of structure comprising plates arranged to define open cells. Bedont does not disclose or suggest apparatus producing such a structure. Thus, Bedont fails to disclose or suggest means for launching a batch job as recited in each claim. Because Bedont fails to disclose a method having each element recited in the claims, the claims are not anticipated by the cited reference. Accordingly, Applicant requests the Section 102 rejection be withdrawn.

Claims 2-4, 24-26, 32 and 35 - Section 103

Applicant requests reconsideration of the rejection of claims 2-4, 24-26, 32 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bedont in view of U.S. Patent No. 4,697,240 (Cedar).

Each of the subject claims recites a **computer-implemented method of creating a sketch-based eggcrate substructure for manufacturing composite parts**, said method comprising: creating an input computer model from a plurality of inputs; and launching a batch job of said created input computer model, **said batch job being adapted to automatically create a computer model of an eggcrate substructure from the input computer model**.

As discussed above, Bedont does not disclose or suggest a computer-implemented method of creating a sketch-based eggcrate including creating and launching a batch job adapted to automatically create a computer model of an eggcrate substructure as recited in the claims. Moreover, Cedar fails to disclose or suggest such a method. The references individually and in combination fail to disclose or suggest the

claimed invention. Accordingly, Applicant requests the Section 103 rejection be withdrawn.

Claims 36, 37, 58-60, 66 - Section 103

Applicant requests reconsideration of the rejection of claims 36, 37, 58-60 and 66 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bedont in view of U.S. Patent No. 4,697,240 (Cedar).

Each of the subject claims recites **apparatus for creating a sketch-based eggcrate substructure for manufacturing composite parts**, said apparatus comprising: means for creating an input computer model from a plurality of inputs; and means for launching a batch job of said created input computer model, **said batch job being adapted to automatically create a computer model of an eggcrate substructure from the input computer model**.

As explained above, an eggcrate substructure is a particular type of structure comprising plates arranged to define open cells. Bedont does not disclose or suggest apparatus producing such a structure. Thus, Bedont fails to disclose or suggest means for launching a batch job as recited in each claim. Moreover, Cedar fails to disclose or suggest such an apparatus. The references individually and in combination fail to disclose or suggest the claimed invention. Accordingly, Applicant requests the Section 103 rejection be withdrawn.

Claims 15-17 - Section 103

Applicant requests reconsideration of the rejection of claims 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bedont in view of U.S. Patent No. 6,675,059 (Scott).

Each of the subject claims recites **a computer-implemented method of creating a sketch-based eggcrate substructure for manufacturing composite parts**, said method comprising: creating an input computer model from a plurality of inputs; and launching a batch job of said created input computer model, **said batch job**

being adapted to automatically create a computer model of an eggcrate substructure from the input computer model.

As discussed above, Bedont does not disclose or suggest a computer-implemented method of creating a sketch-based eggcrate including creating and launching a batch job adapted to automatically create a computer model of an eggcrate substructure as recited in the claims. Moreover, Scott fails to disclose or suggest such a method. The references individually and in combination fail to disclose or suggest the claimed invention. Accordingly, Applicant requests the Section 103 rejection be withdrawn.

Claims 7-9 - Section 103

Applicant requests reconsideration of the rejection of claims 7-9 and 40-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bedont in view of U.S. Patent No. 5,321,835 (Tanaka).

Each of the subject claims recites **a computer-implemented method of creating a sketch-based eggcrate substructure for manufacturing composite parts**, said method comprising: creating an input computer model from a plurality of inputs; and launching a batch job of said created input computer model, **said batch job being adapted to automatically create a computer model of an eggcrate substructure from the input computer model.**

As discussed above, Bedont does not disclose or suggest a computer-implemented method of creating a sketch-based eggcrate including creating and launching a batch job adapted to automatically create a computer model of an eggcrate substructure as recited in the claims. Moreover, Tanaka fails to disclose or suggest such a method. The references individually and in combination fail to disclose or suggest the claimed invention. Accordingly, Applicant requests the Section 103 rejection be withdrawn.

Claims 40-42 - Section 103

Applicant requests reconsideration of the rejection of claims 40-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bedont in view of U.S. Patent No. 5,321,835 (Tanaka).

Each of the subject claims recites **apparatus for creating a sketch-based eggcrate substructure for manufacturing composite parts**, said apparatus comprising: means for creating an input computer model from a plurality of inputs; and means for launching a batch job of said created input computer model, **said batch job being adapted to automatically create a computer model of an eggcrate substructure from the input computer model.**

As explained above, Bedont does not disclose or suggest apparatus producing an eggcrate substructure. Thus, Bedont fails to disclose or suggest means for launching a batch job as recited in each claim. Moreover, Tanaka fails to disclose or suggest such an apparatus. The references individually and in combination fail to disclose or suggest the claimed invention. Accordingly, Applicant requests the Section 103 rejection be withdrawn.

Claims 27-31 and 33 - Section 103

Applicant requests reconsideration of the rejection of claims 27-31 and 33, 53, 61-65 and 67 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bedont in view of U.S. Patent No. 5,701,403 (Watanabe).

Each of the subject claims recites **a computer-implemented method of creating a sketch-based eggcrate substructure for manufacturing composite parts**, said method comprising: creating an input computer model from a plurality of inputs; and launching a batch job of said created input computer model, **said batch job being adapted to automatically create a computer model of an eggcrate substructure from the input computer model.**

As discussed above, Bedont does not disclose or suggest a computer-implemented method of creating a sketch-based eggcrate including creating and launching a batch job adapted to automatically create a computer model of an eggcrate

substructure as recited in the claims. Moreover, Watanabe fails to disclose or suggest such a method. The references individually and in combination fail to disclose or suggest the claimed invention. Accordingly, Applicant requests the Section 103 rejection be withdrawn.

Claims 53, 61-65 and 67 - Section 103

Applicant requests reconsideration of the rejection of claims 53, 61-65 and 67 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bedont in view of U.S. Patent No. 5,701,403 (Watanabe).

Each of the subject claims recites **apparatus for creating a sketch-based eggcrate substructure for manufacturing composite parts**, said apparatus comprising: means for creating an input computer model from a plurality of inputs; and means for launching a batch job of said created input computer model, **said batch job being adapted to automatically create a computer model of an eggcrate substructure from the input computer model.**

As explained above, Bedont does not disclose or suggest apparatus producing an eggcrate substructure. Thus, Bedont fails to disclose or suggest means for launching a batch job as recited in each claim. Moreover, Watanabe fails to disclose or suggest such an apparatus. The references individually and in combination fail to disclose or suggest the claimed invention. Accordingly, Applicant requests the Section 103 rejection be withdrawn.

Conclusion

If the Examiner believes that there is any issue which could be resolved by an interview, the Examiner is respectfully requested to contact the undersigned attorney at the telephone number listed below.

The Commissioner is hereby authorized to credit overpayments or to charge any deficiency in connection with this filing to Deposit Account No. 19-3140.

As it is believed that application is in condition for allowance, a favorable action and Notice of Allowance are respectfully requested.

Respectfully submitted,

Dated October 21, 2005

By:

A handwritten signature in black ink, appearing to read "David E. Crawford, Jr.", written over a horizontal line.

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